

In the Claims

1. (Previously Presented) A protein expressed *in vitro*, comprising:

one or more immunoreactive and/or antigenic determinants of *Eimeria* lactate dehydrogenase (LDH), wherein said isolated protein is found intracellularly in *Eimeria*.

2. (Previously Presented) The protein according to claim 1, wherein the *Eimeria* species is *Eimeria acervulina*.

3. (Previously Presented) The protein according to claim 1, which comprises the amino acid sequence shown in SEQ ID NO:2, a biologically active variant, or an immunogenically active part sequence or variant.

4-10. (Canceled)

11. (Previously Presented) A vaccine for the protection of poultry against Coccidiosis comprising:

an effective amount of an isolated protein comprising one or more immunoreactive and/or antigenic determinants of *Eimeria* lactate dehydrogenase, wherein said isolated protein is found intracellularly in *Eimeria*.

12. (Canceled)

13. (Previously Presented) A process for the preparation of a coccidiosis vaccine, comprising:

formulating a protein according to claim 1 into a pharmaceutical preparation with immunizing activity.

14. (Canceled)

15. (Withdrawn) A method for the protection of poultry against coccidiosis, comprising:

administering to the poultry a vaccine according to claim 11.

16. (Previously Presented) The protein according to claim 1, wherein said protein has a molecular weight of about 37 kD.

17. (Previously Presented) An immunogenic fragment of Eimeria lactate dehydrogenase (LDH), wherein said LDH is immunogenically reactive with antiserum raised against the polypeptide of SEQ ID NO:2.

18. (Previously Presented) An immunogenic fragment of the protein according to claim 1, or a biologically active variant of said fragment.

19. (Previously Presented) The vaccine of claim 11, wherein the protein is present in pure form.

20. (Previously Presented) The vaccine of claim 11, further comprising a pharmaceutically acceptable carrier.

21. (Withdrawn) A method for the protection of coccidiosis, comprising:

administering to the poultry a vaccine according to claim 20.

22. (Canceled).

23. (Previously Presented) A vaccine for the protection of poultry against coccidiosis, comprising:

an effective amount of the protein according to claim 3.

24. (Previously Presented) The vaccine of claim 23, further comprising a pharmaceutically acceptable carrier.

25. (Withdrawn) A method for the protection of poultry against coccidiosis, comprising:

administering to the poultry a vaccine according to claim 24.

26. (New) A vaccine for the protection of poultry against coccidiosis, comprising:

an effective amount of the immunogenic fragment according to claim 17.